

FIG. 1

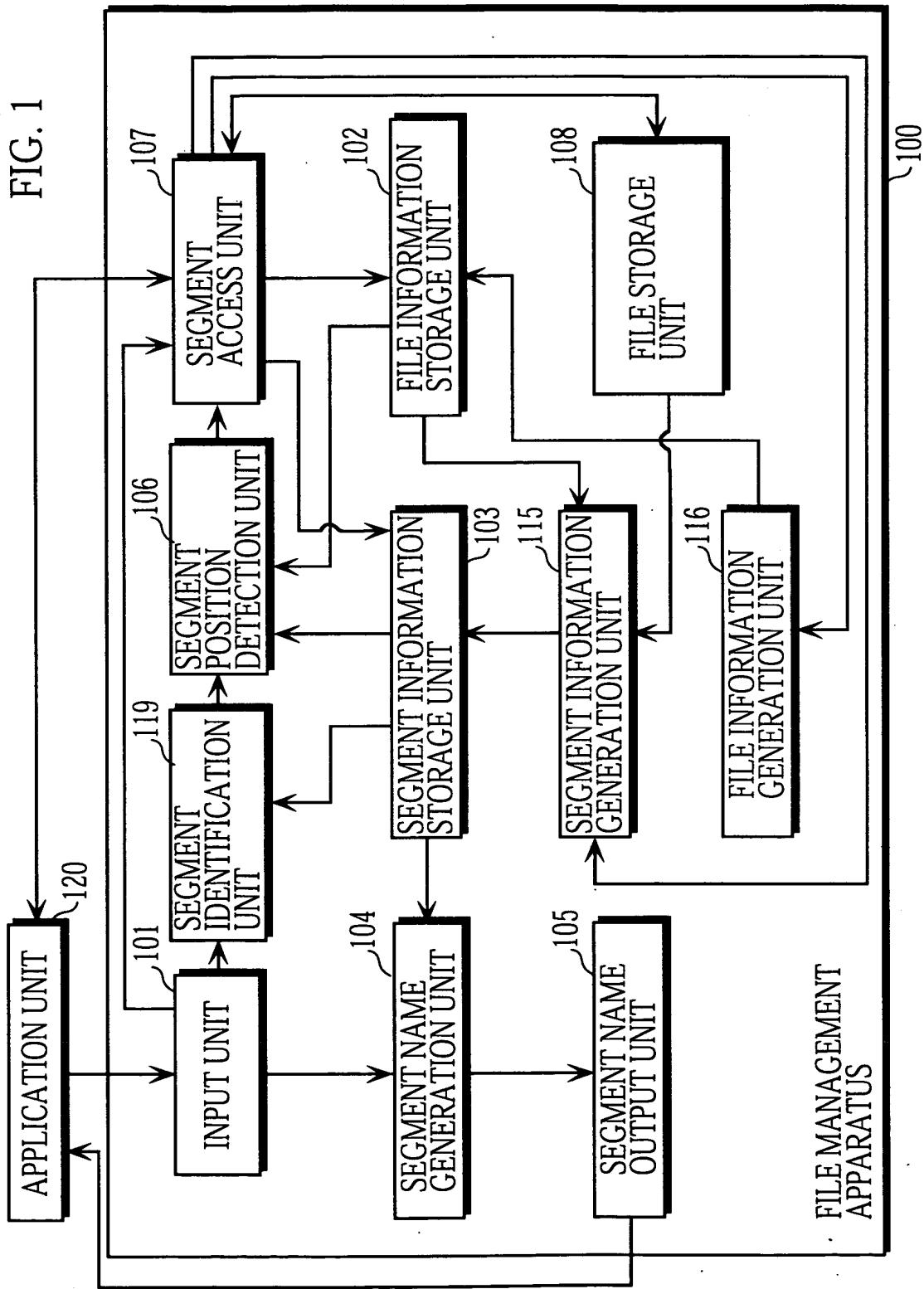


FIG. 2

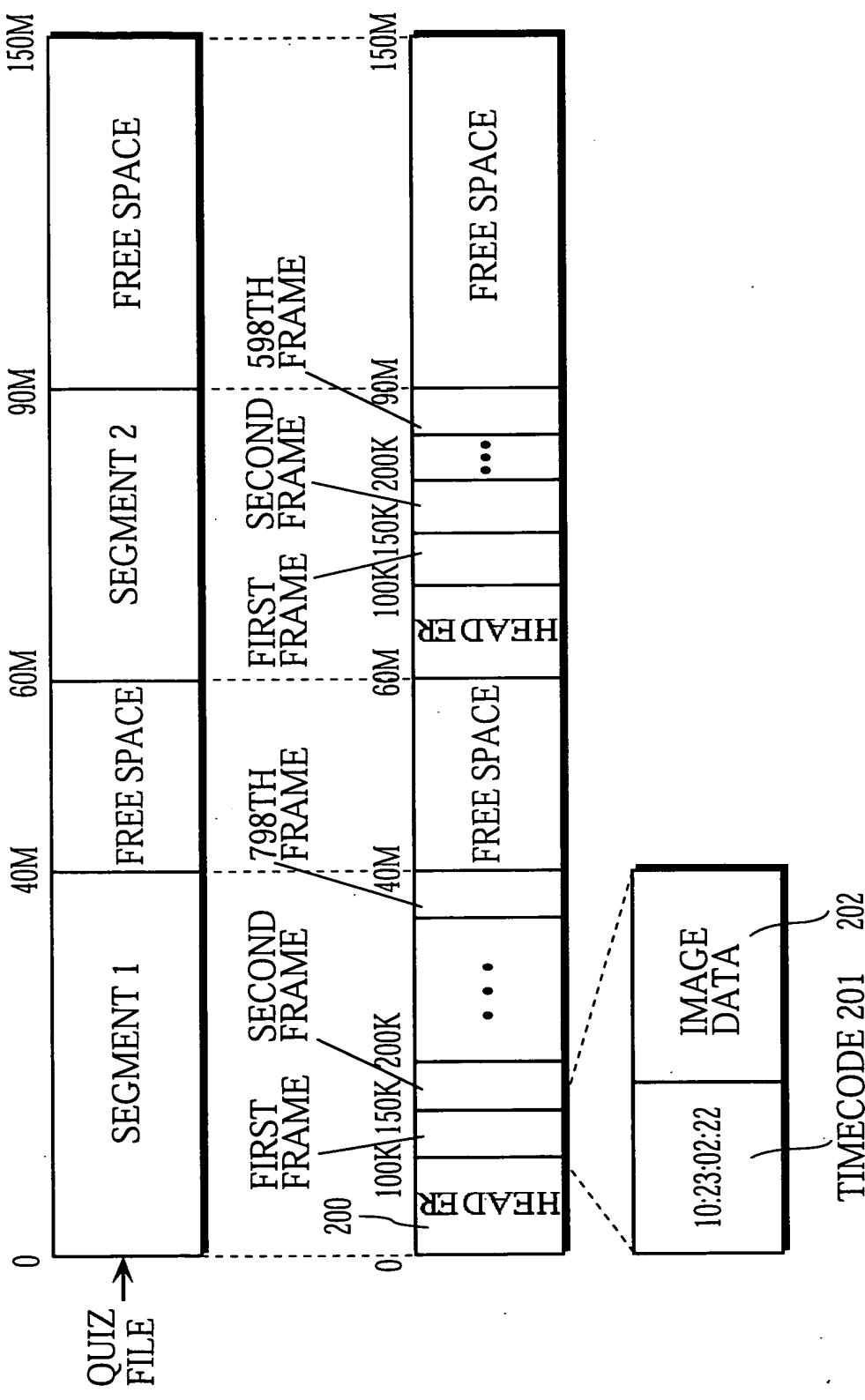


FIG. 3A

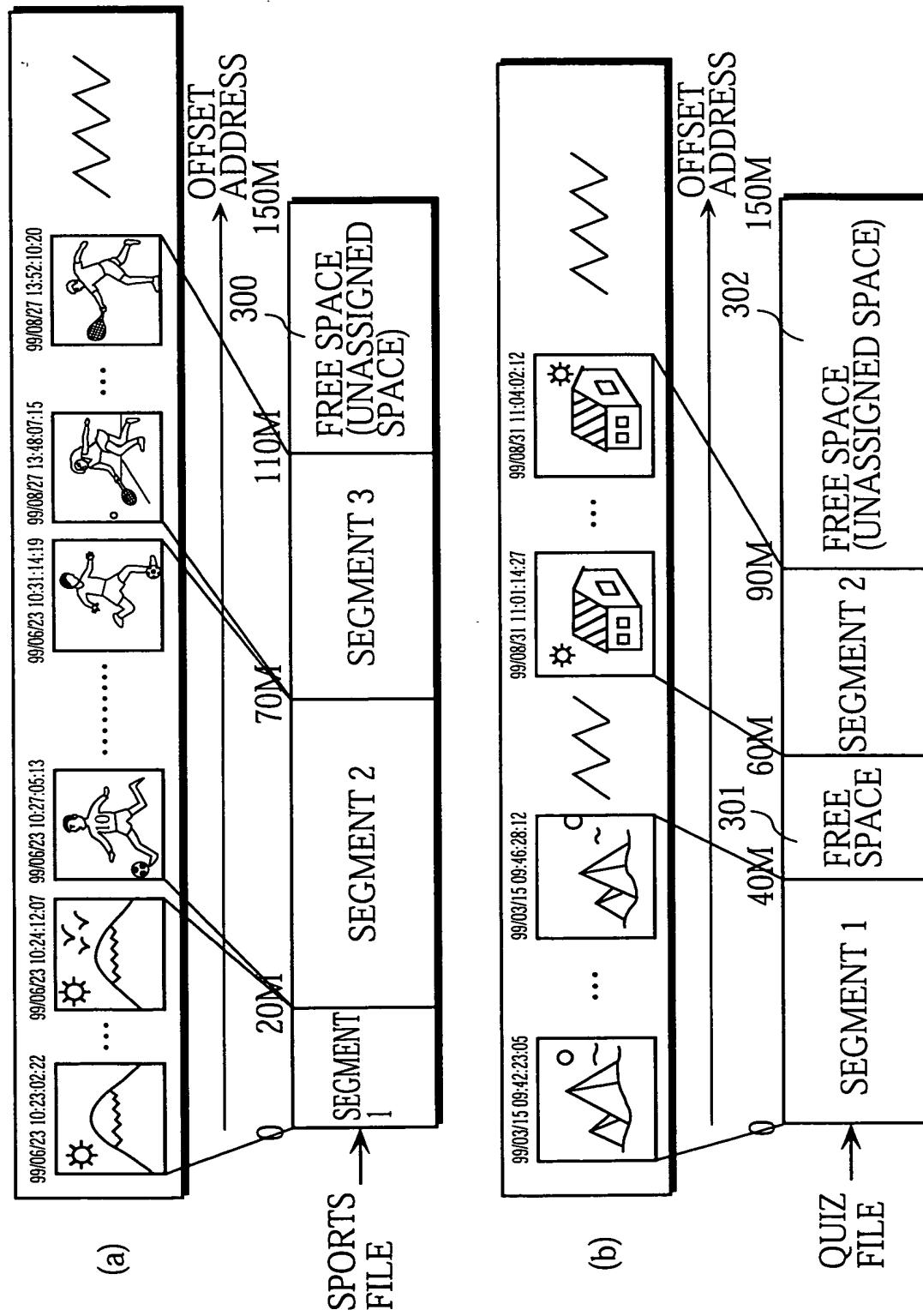


FIG. 4

FILE NAME	STORAGE POSITION	CREATION DATE
Sports	004	99/08/27 13:52:10
Quiz	126	99/08/31 11:04:02

FIG. 5

SPORTS FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	20M
SEGMENT 2	20M	50M
SEGMENT 3	70M	40M
UNASSIGNED SPACE	110M	40M

QUIZ FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	40M
SEGMENT 2	60M	30M
UNASSIGNED SPACE	40M	20M
UNASSIGNED SPACE	90M	60M

FIG. 6

SEGMENT NAME
= FILE NAME OF A FILE TO WHICH A SEGMENT BELONGS
+ SERIAL NUMBER OF SEGMENT IN THE FILE ASSIGNED
IN ORDER OF STORAGE IN THE FILE

FIG. 7

FILE	SEGMENT	SEGMENT NAME
Sports	SEGMENT 1	Sports 1
	SEGMENT 2	Sports 2
	SEGMENT 3	Sports 3
Quiz	SEGMENT 1	Quiz 1
	SEGMENT 2	Quiz 2

FIG. 8

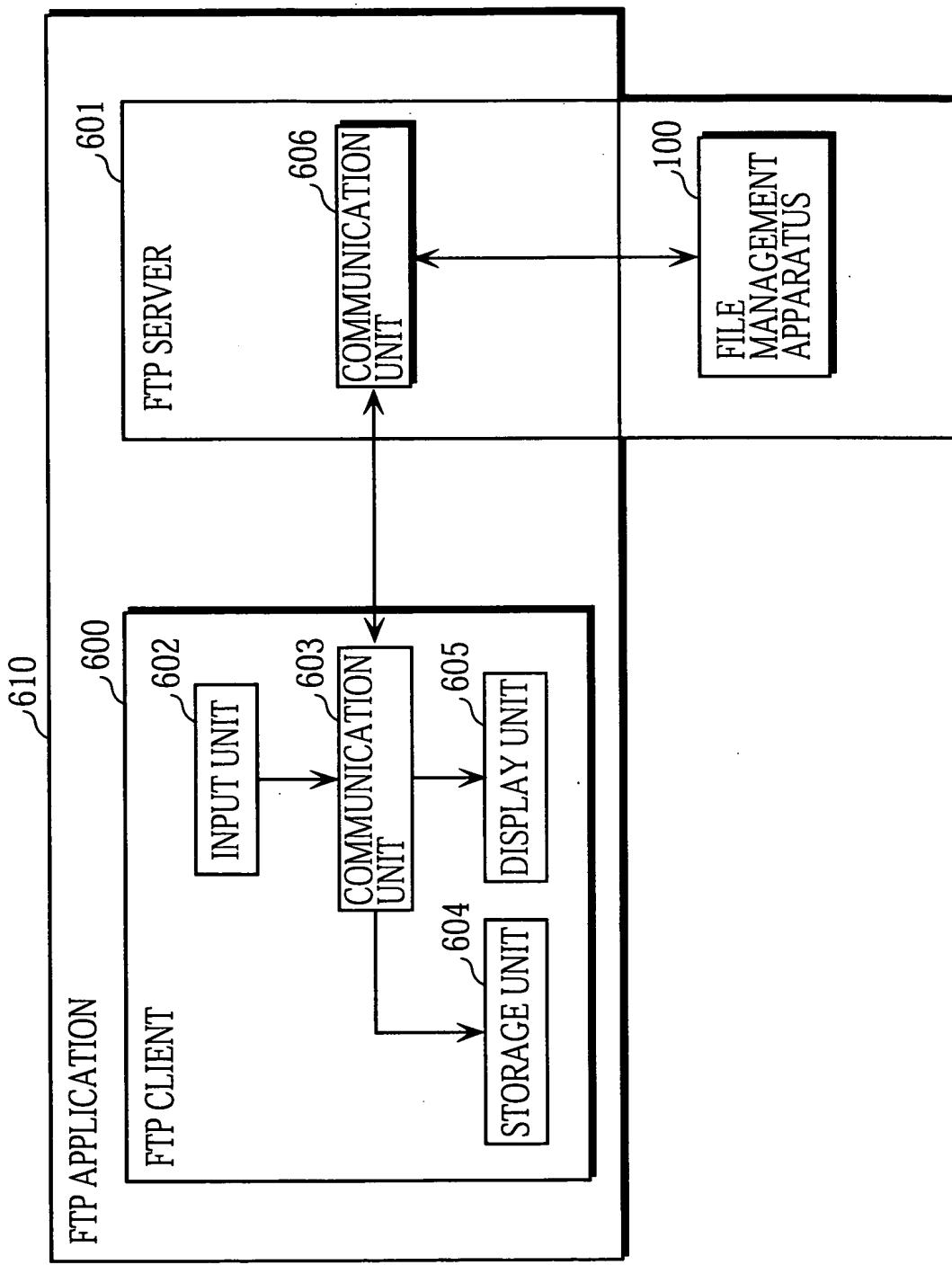


FIG. 9

```
%ftp PC12
ftp>dir
[.]
[...]
Sports 2           Sports 3           Sports 1
Quiz 2             Quiz 1
```

FIG. 10

```
ftp>get Sports 2
File Transfer Succeed
```

FIG. 11

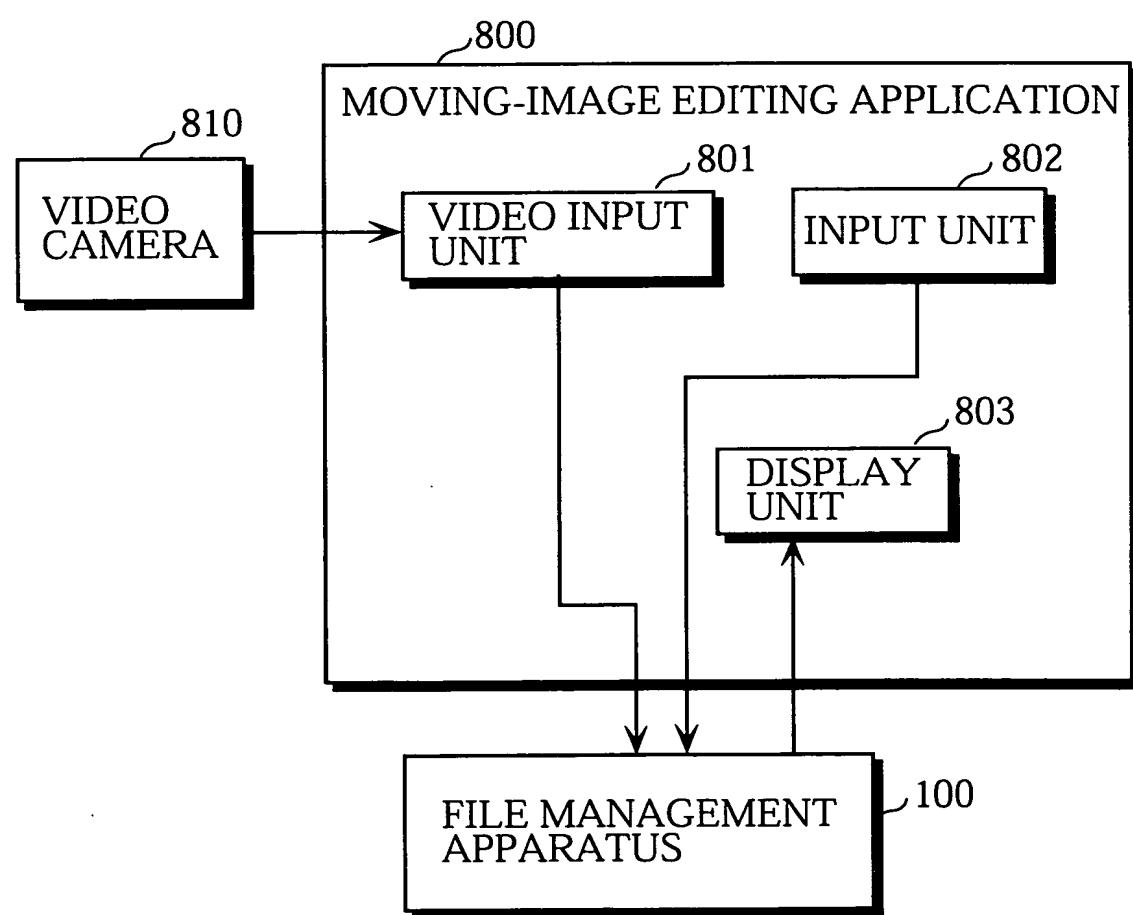


FIG. 12

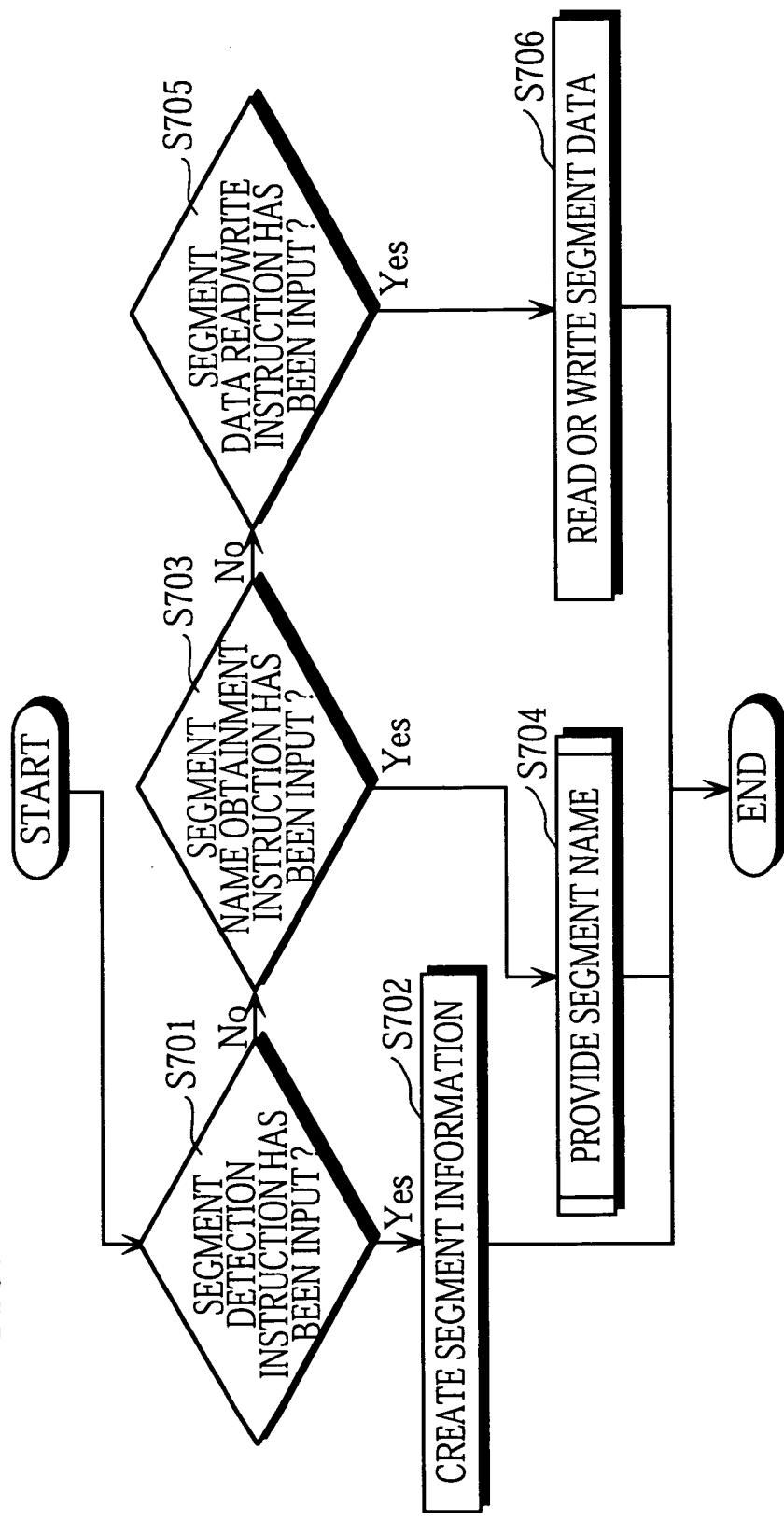


FIG. 13

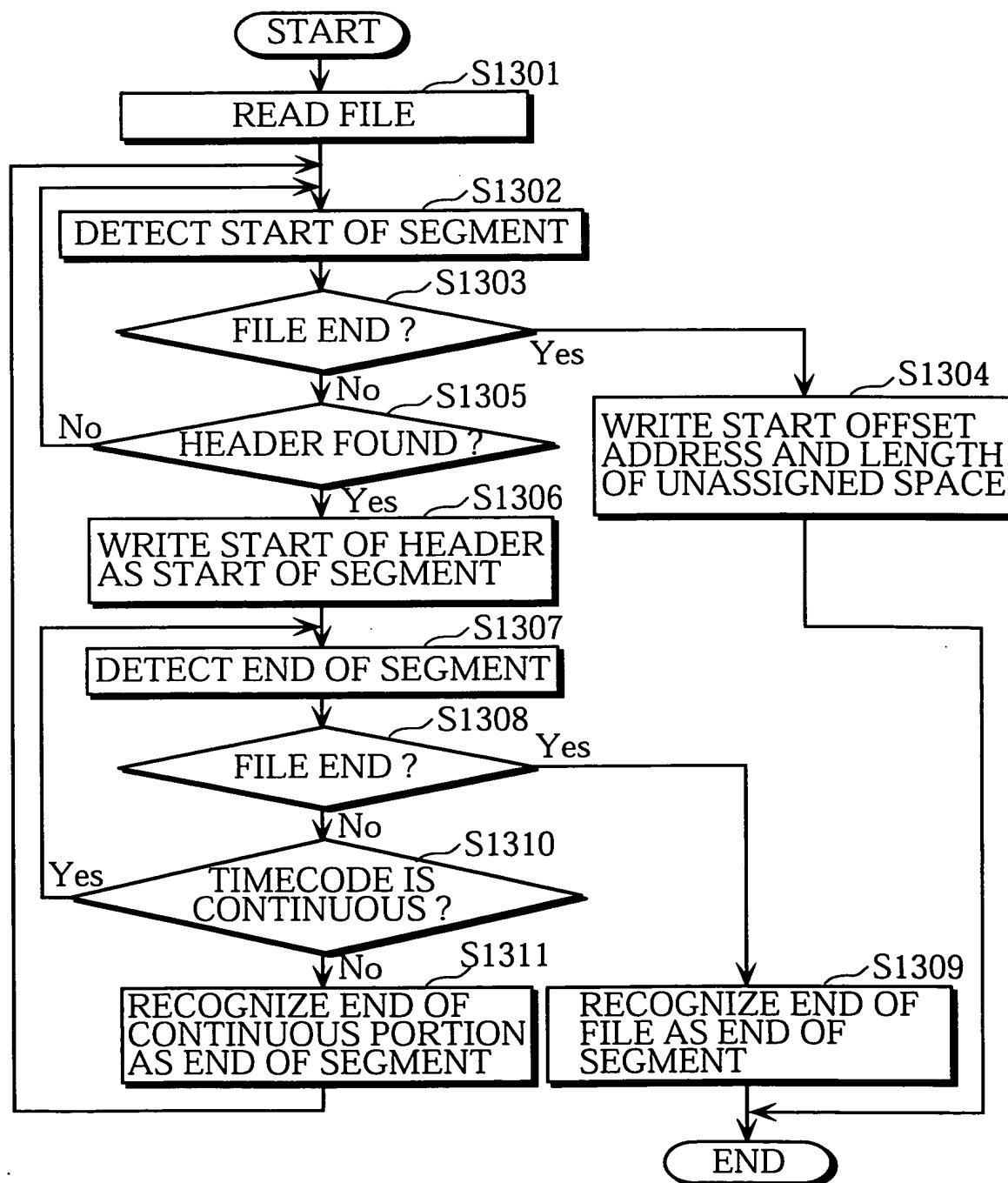


FIG. 14

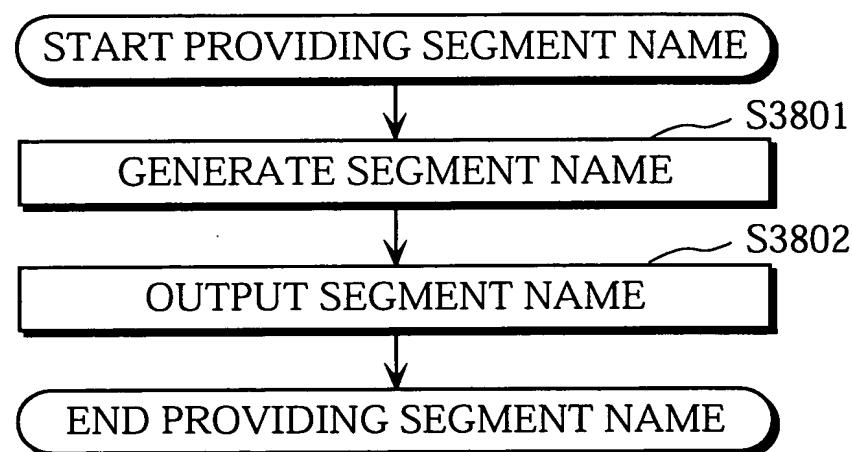


FIG. 15

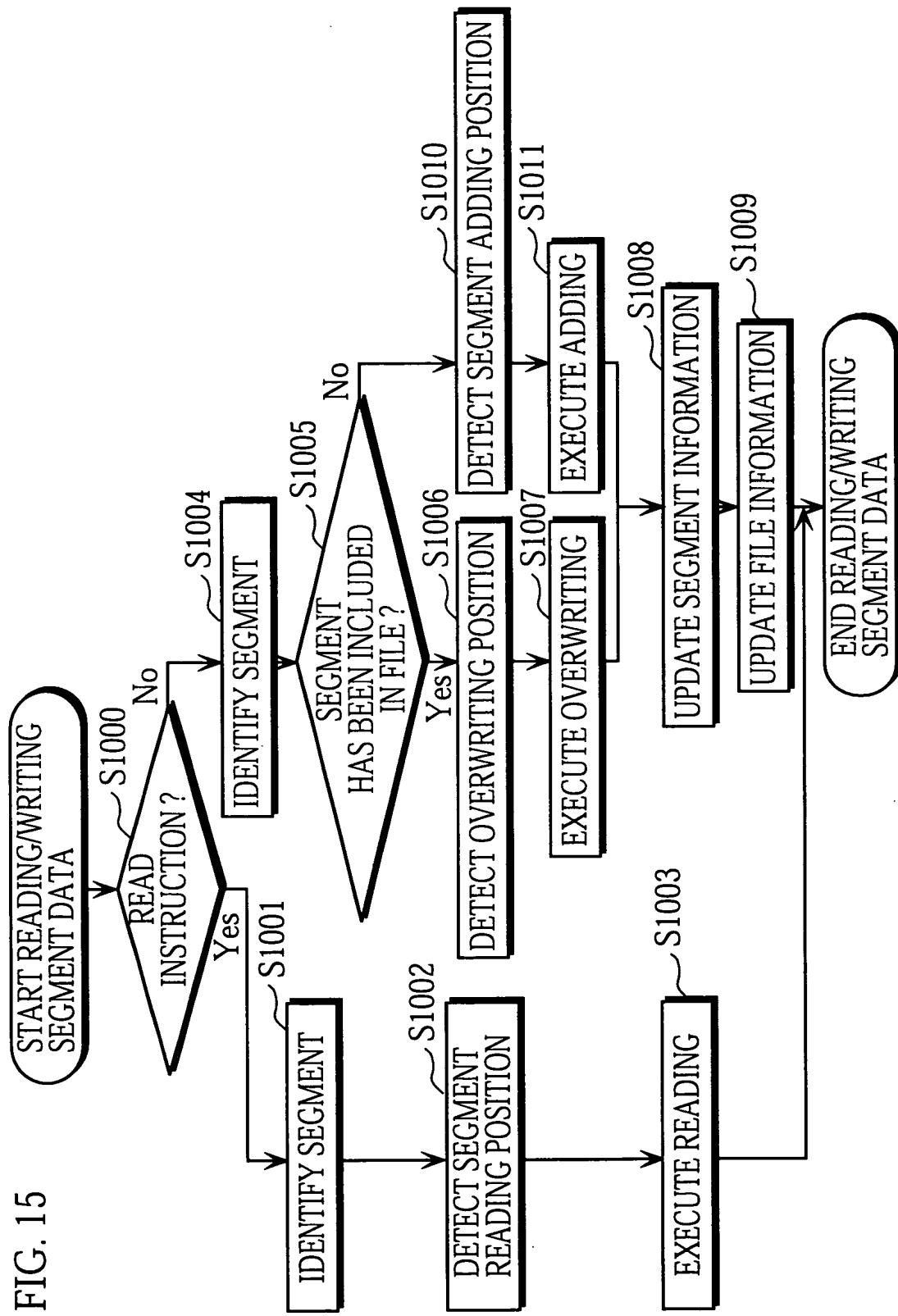


FIG. 16

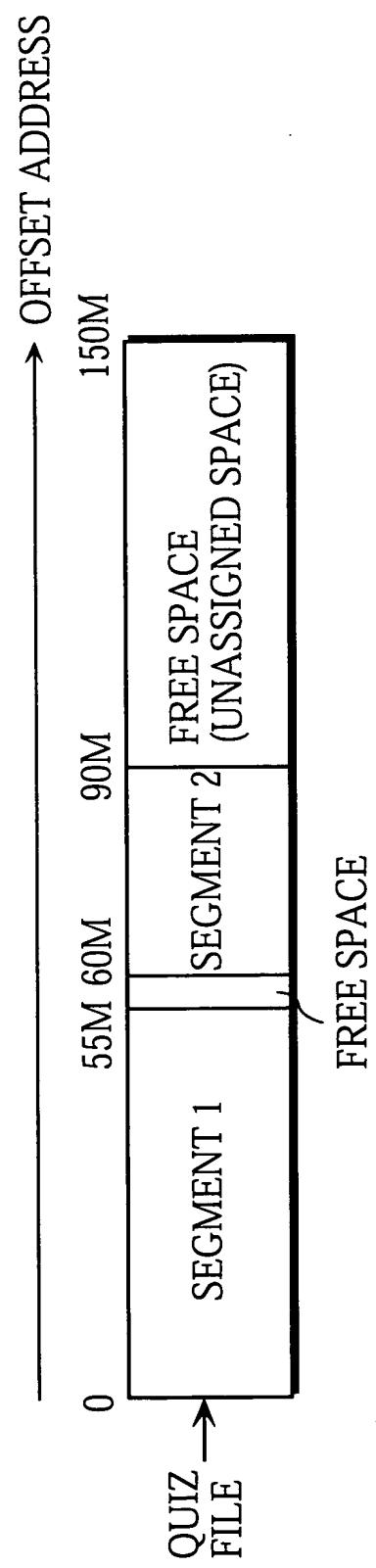


FIG. 17

QUIZ FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	55M
SEGMENT 2	60M	30M
UNASSIGNED SPACE	90M	60M

FIG. 18

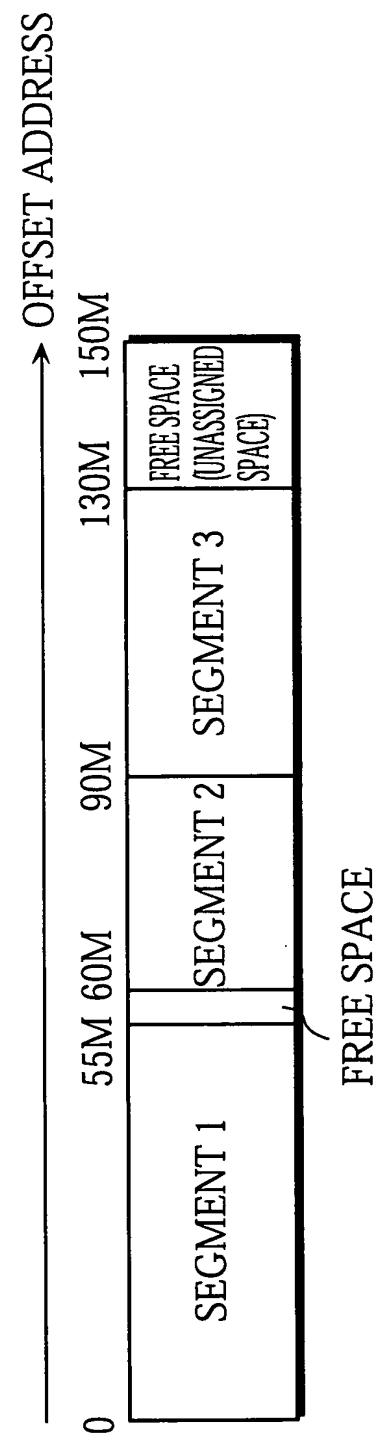


FIG. 19

SPORTS FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	55M
SEGMENT 2	60M	30M
SEGMENT 3	90M	40M
UNASSIGNED SPACE	130M	20M

FIG. 20

SPORTS FILE				
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)	START TIME	END TIME
SEGMENT 1	0	20M	99/06/23 10:23:02:22	99/06/23 10:24:12:07
SEGMENT 2	20M	50M	99/06/23 10:27:05:13	99/06/23 10:31:14:19
SEGMENT 3	70M	40M	99/08/27 13:48:07:15	99/08/27 13:52:10:20
UNASSIGNED SPACE	110M	40M		

QUIZ FILE				
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)	START TIME	END TIME
SEGMENT 1	0	40M	99/03/15 09:42:23:05	99/03/15 09:46:28:12
SEGMENT 2	60M	30M	99/08/31 11:01:14:27	99/08/31 11:04:02:12
UNASSIGNED SPACE	40M	20M		
UNASSIGNED SPACE	90M	60M		

FIG. 21

% ftp > 0 s - 2 0	LENGTH	START TIME	END TIME
Sports	150MB	99/06/23 10:23:02:22	→ 99/08/27 13:52:10:20
Sports 1	20MB	99/06/23 10:23:02:22	→ 99/06/23 10:24:12:07
Sports 2	50MB	99/06/23 10:27:05:13	→ 99/06/23 10:31:14:19
Sports 3	40MB	99/08/27 13:48:07:15	→ 99/08/27 13:52:10:20
Quiz	150MB	99/03/15 09:42:23:05	→ 99/08/31 11:04:02:12
Quiz 1	40MB	99/03/15 09:42:23:05	→ 99/03/15 09:46:28:12
Quiz 2	30MB	99/08/31 11:01:14:27	→ 99/08/31 11:04:02:12

FIG. 22

SEGMENT NAME
= FILE NAME OF A FILE TO WHICH A SEGMENT BELONGS
+ ALPHABET INDICATING A SERIAL STORAGE-ORDER
NUMBER OF SEGMENT IN FILE

FIG. 23

SPORTS FILE		
SEGMENT NAME	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
baseball	0	20M
tennis	20M	50M
ski	70M	40M
UNASSIGNED SPACE	110M	40M

QUIZ FILE		
SEGMENT NAME	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
Introquiz	0	60M
Jesturequiz	60M	30M
UNASSIGNED SPACE	90M	60M

FIG. 24A

SPORTS FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	20M
SEGMENT 2	20M	50M
SEGMENT 3	70M	40M
UNASSIGNED SPACE	110M	40M
QUIZ FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	60M
SEGMENT 2	60M	30M
UNASSIGNED SPACE	90M	60M

FIG. 24B

SEGMENT NAME	FILE NAME	STORAGE ORDER
baseball	Sports	1
tennis	Sports	2
ski	Sports	3
Introquiz	Quiz	1
Jesturequiz	Quiz	2

FIG. 25

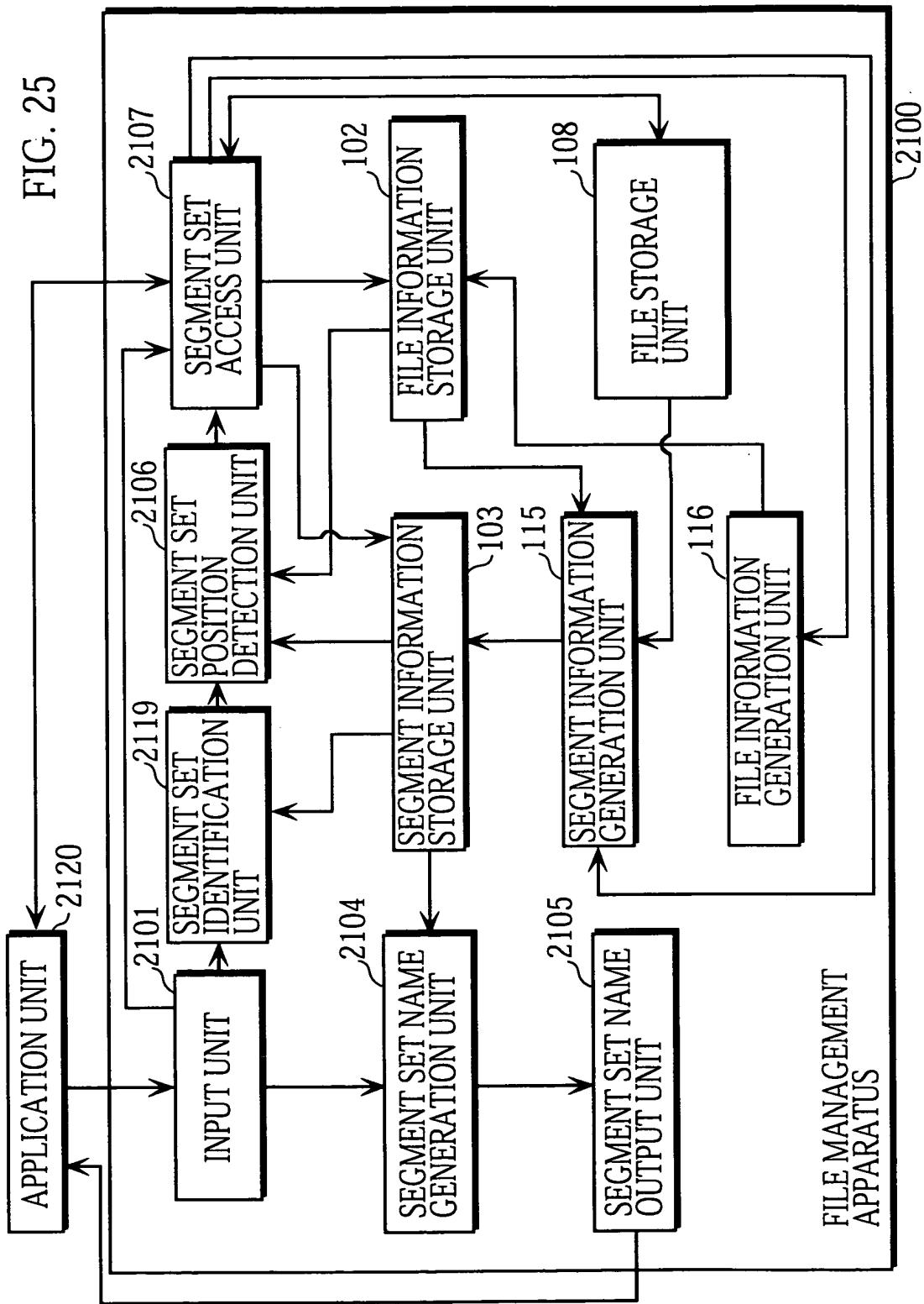


FIG. 26A

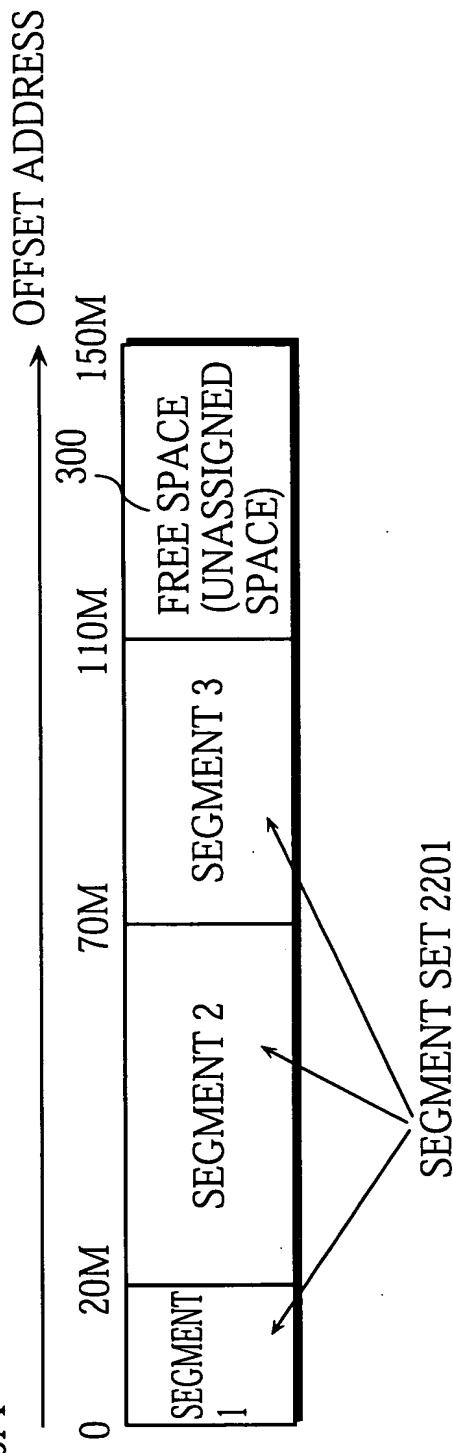


FIG. 26B

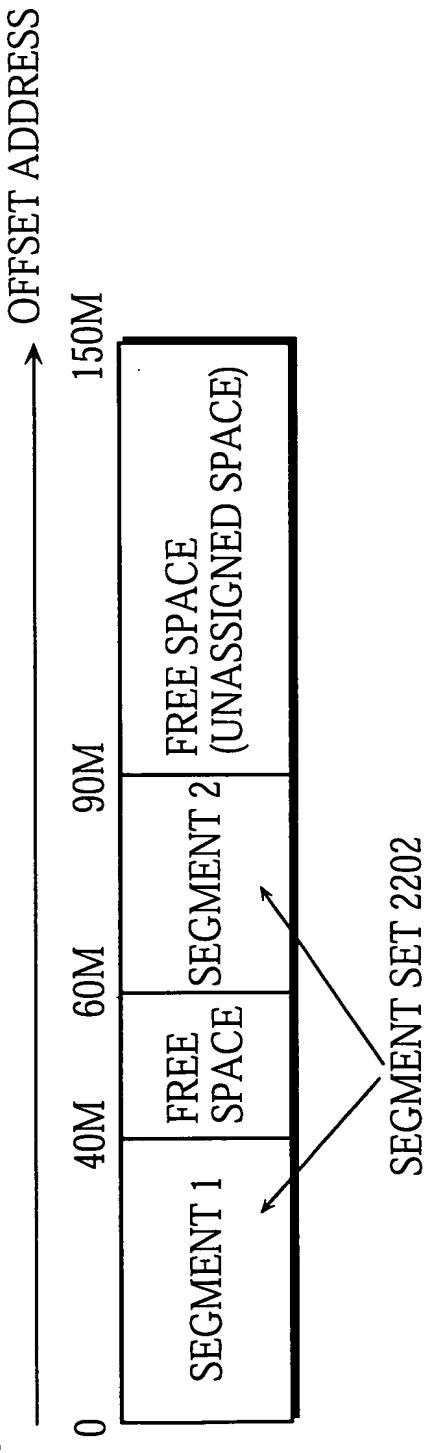


FIG. 27

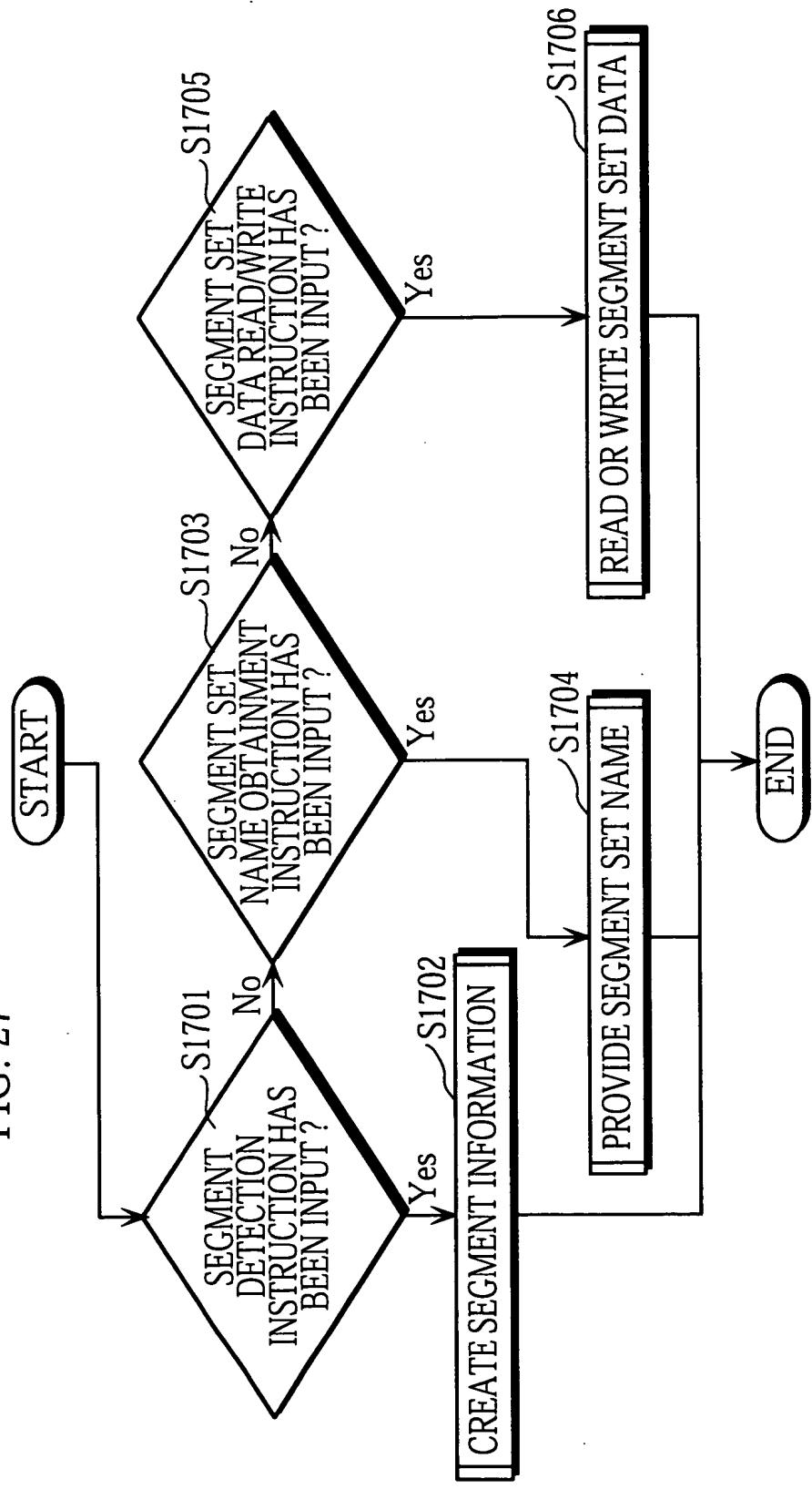


FIG. 28

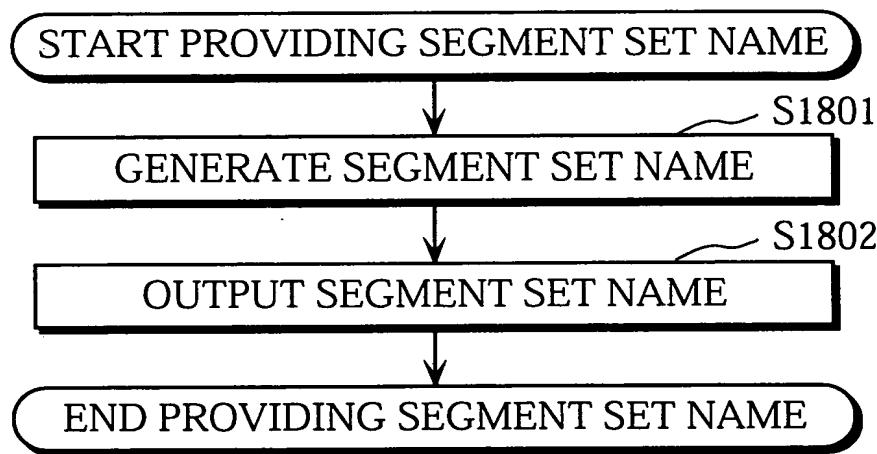


FIG. 29

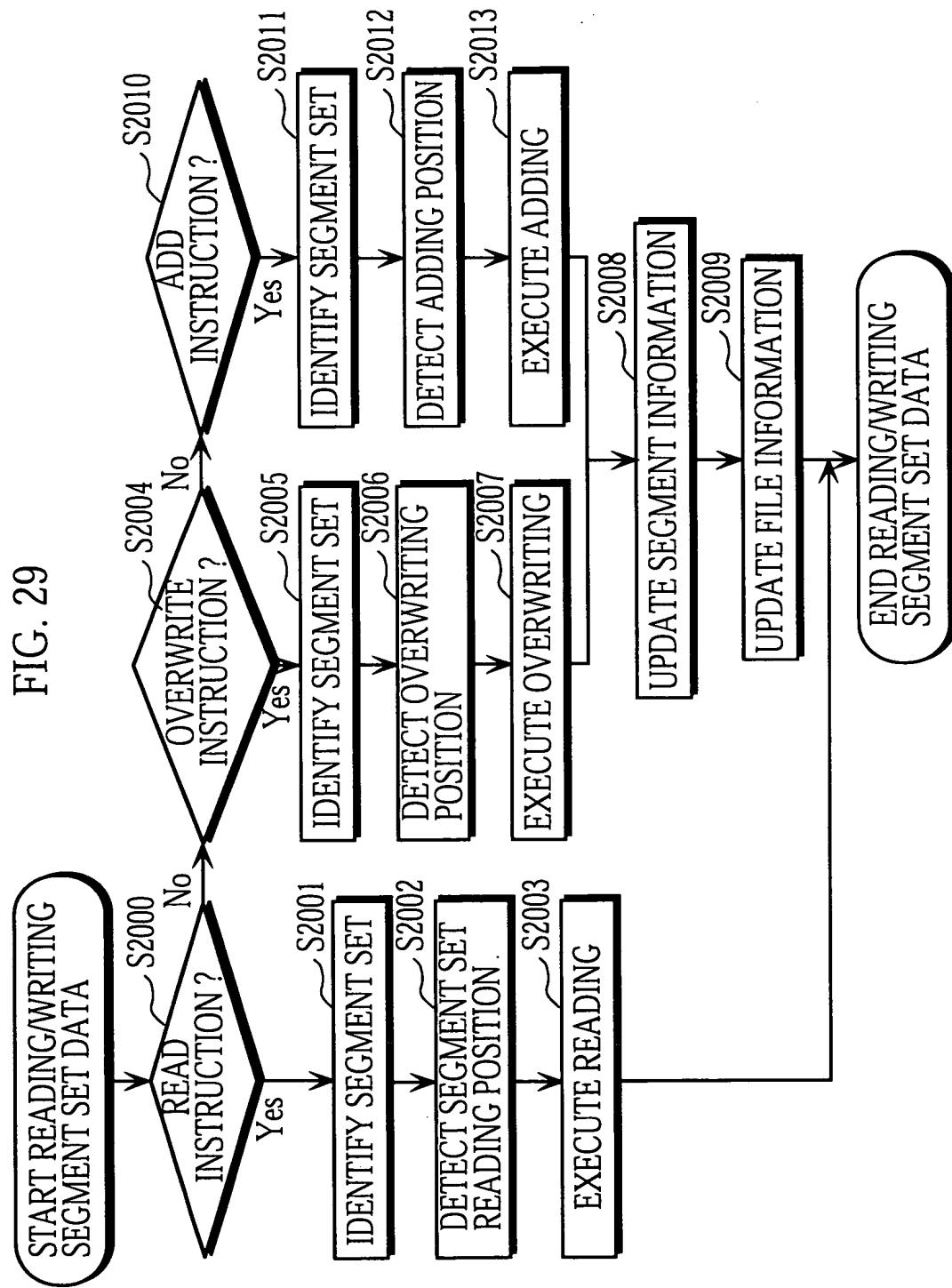


FIG. 30A

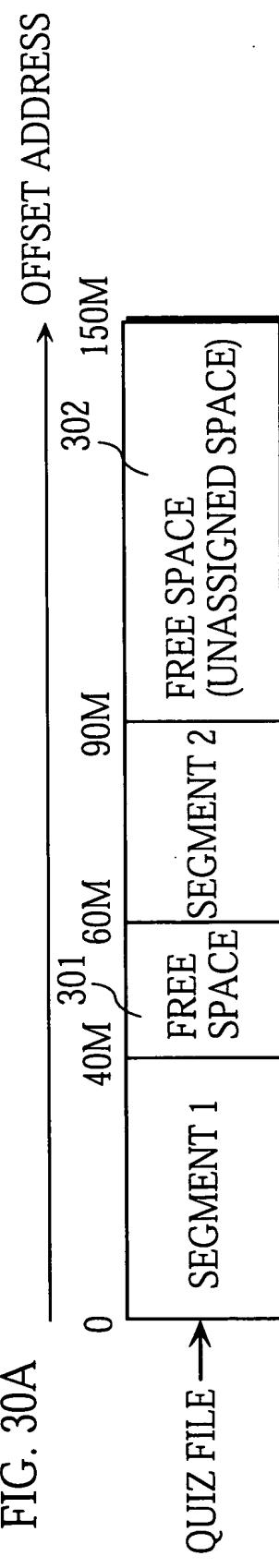


FIG. 30B

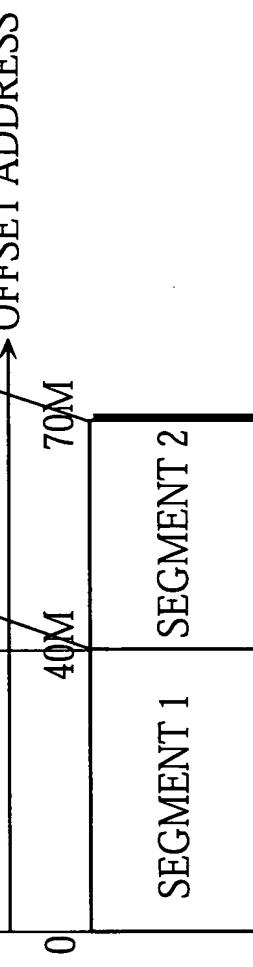


FIG. 31

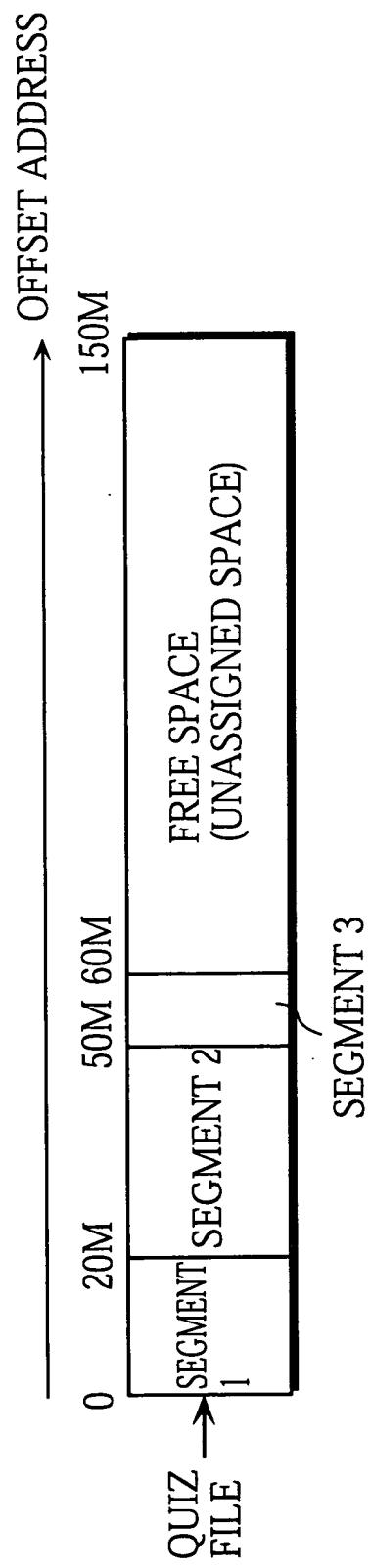


FIG. 32

QUIZ FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	20M
SEGMENT 2	20M	30M
SEGMENT 3	50M	10M
UNASSIGNED SPACE	60M	90M

FIG. 33

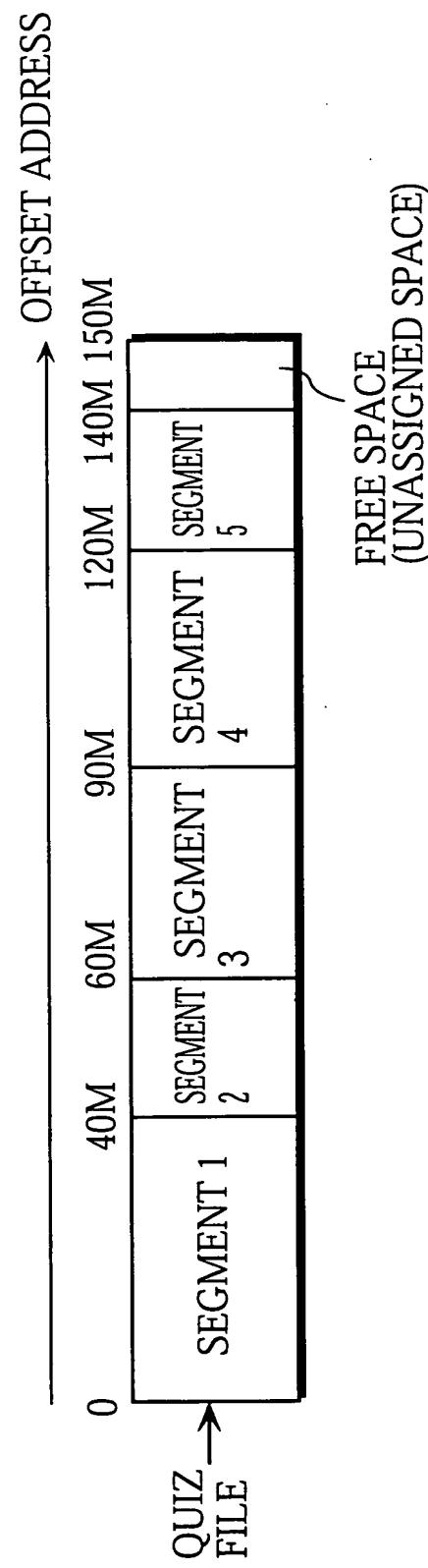


FIG. 34

QUIZ FILE		
SEGMENT	START OFFSET ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)
SEGMENT 1	0	40M
SEGMENT 2	40M	20M
SEGMENT 3	60M	30M
SEGMENT 4	90M	30M
SEGMENT 5	120M	20M
UNASSIGNED SPACE	140M	10M

FIG. 35

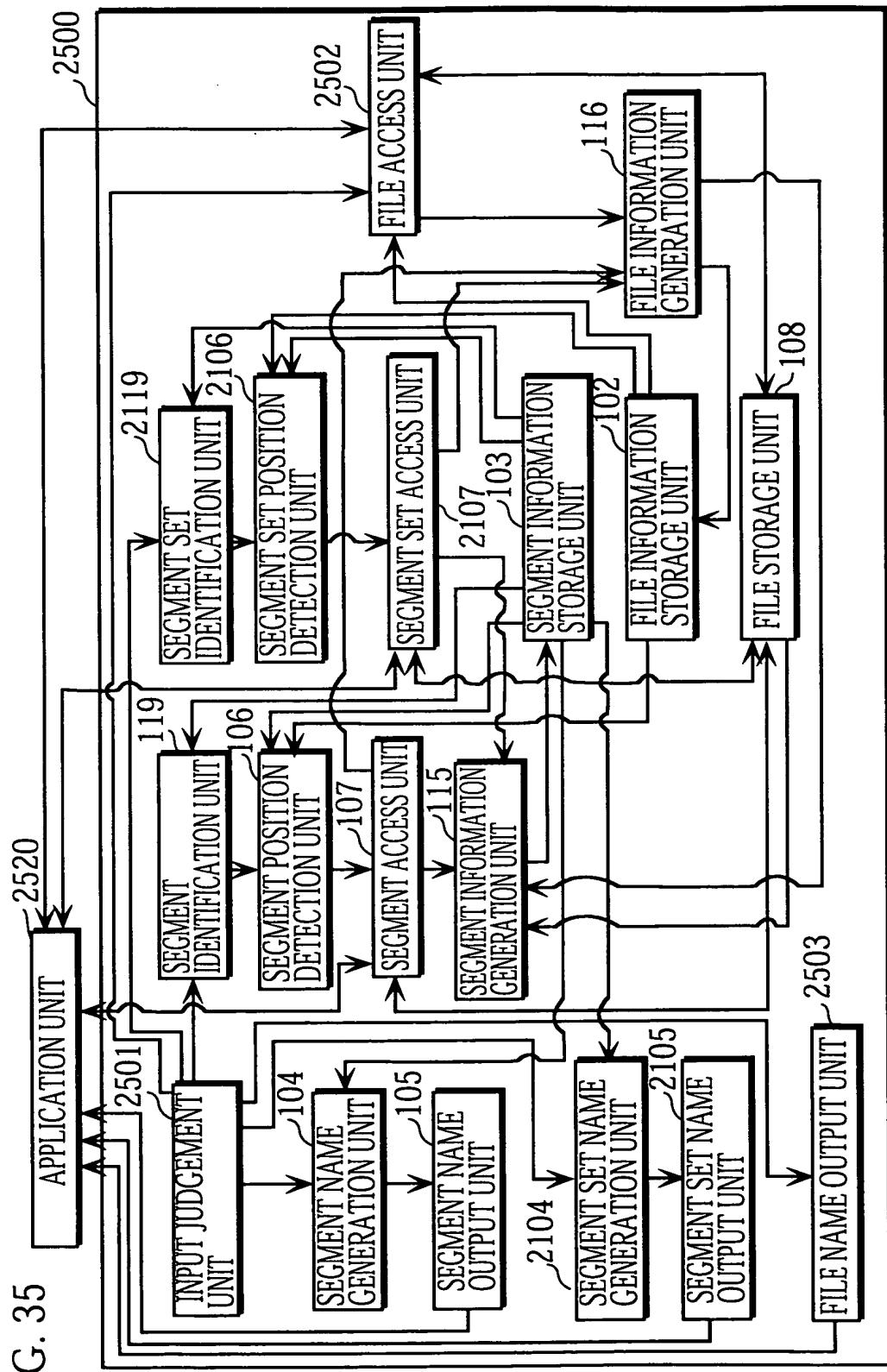


FIG. 36

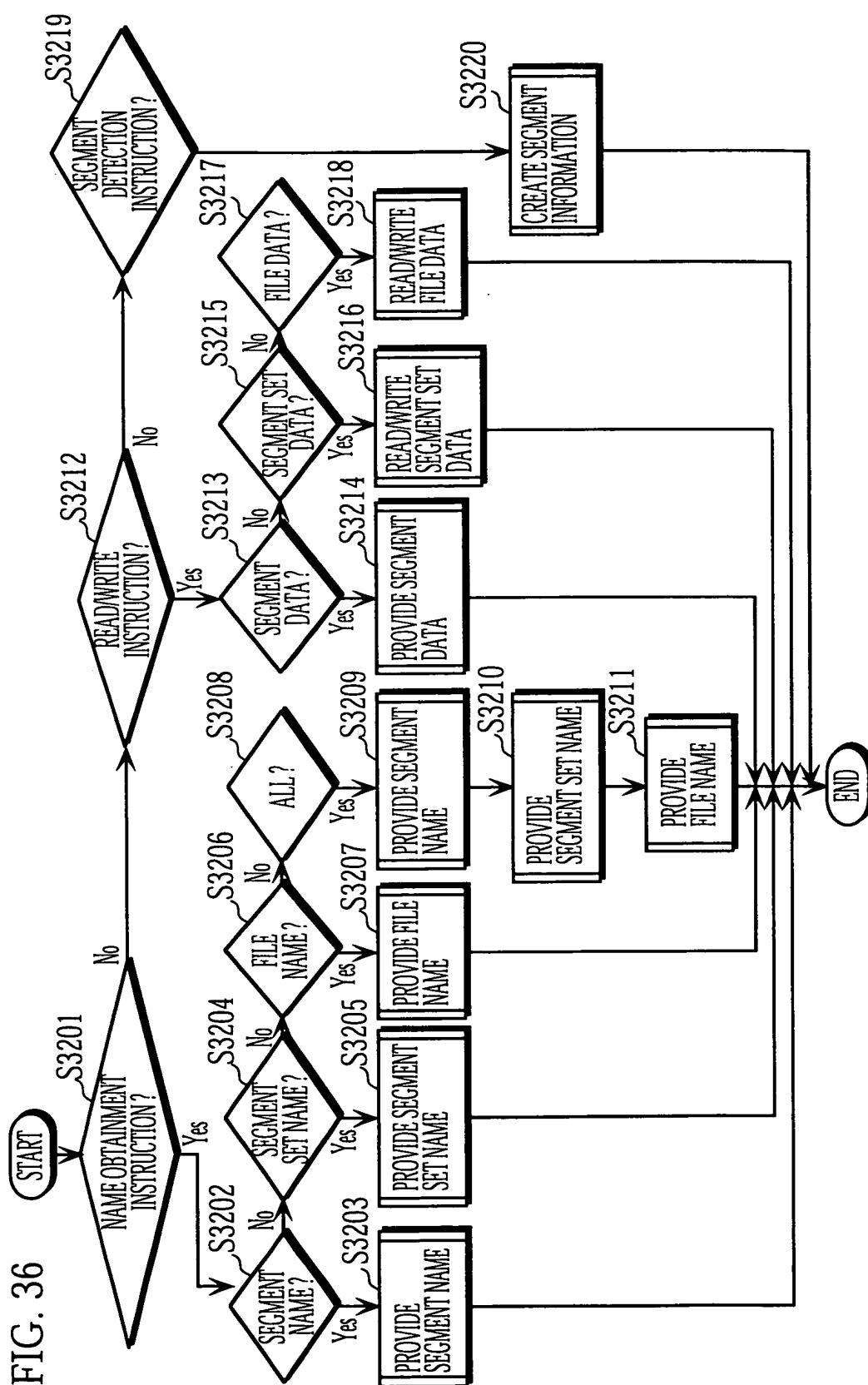


FIG. 37

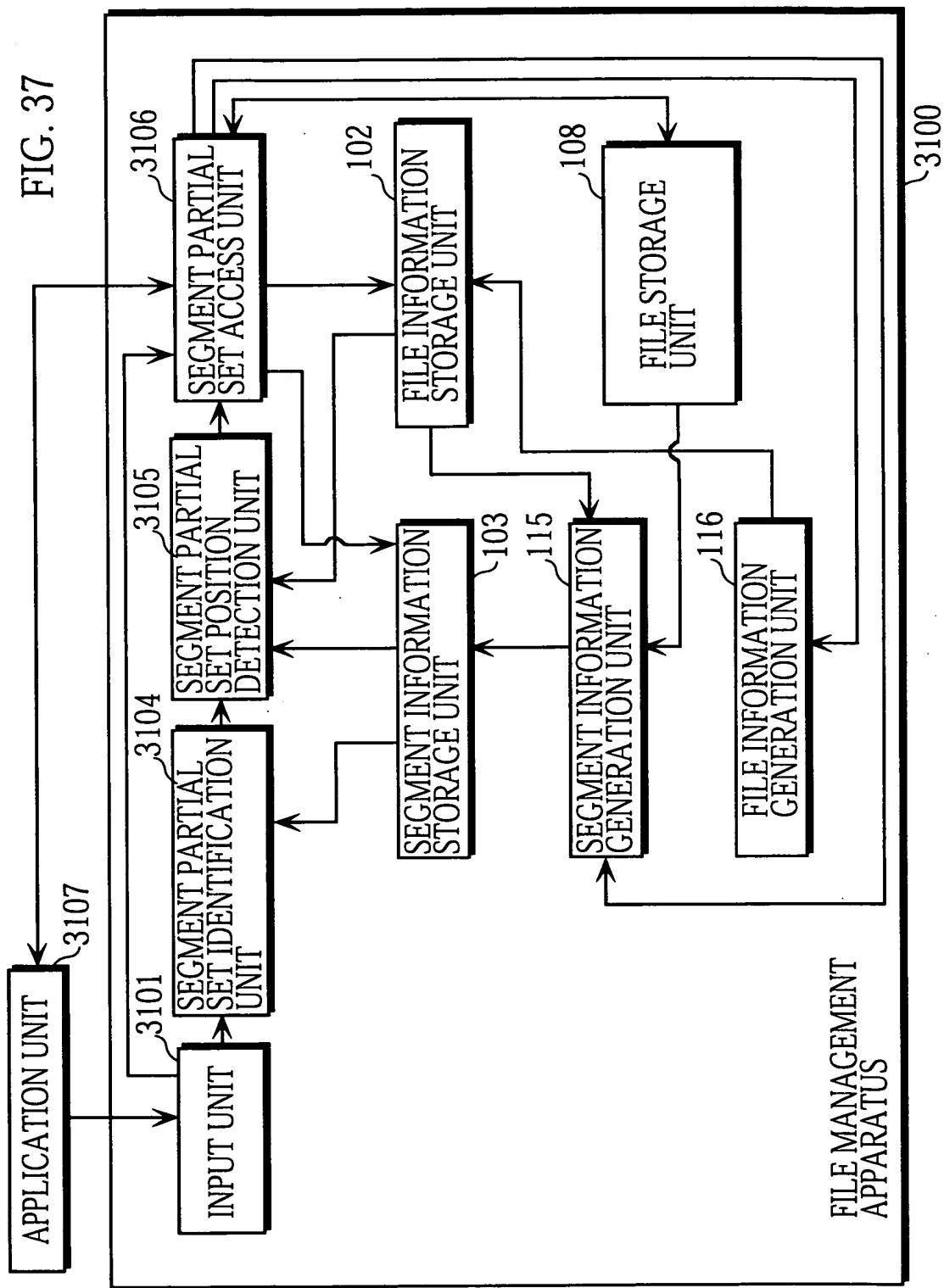


FIG. 38A

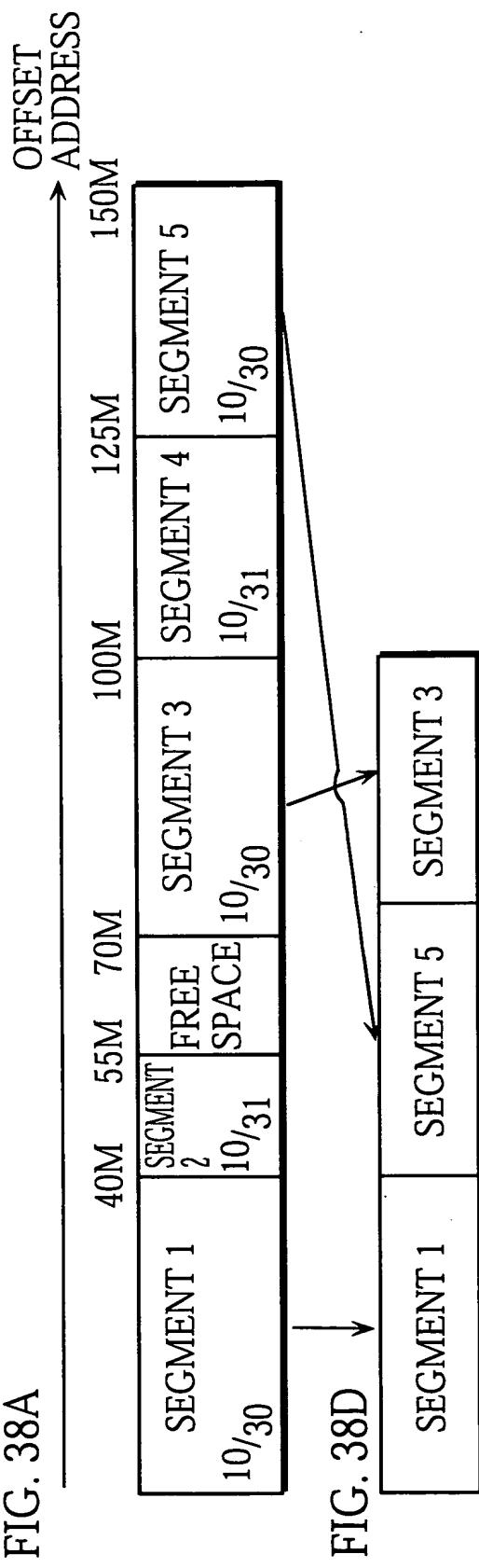


FIG. 38B

SPORTS FILE					
SEGMENT	START OFFSET	ADDRESS (BYTE)	SEGMENT LENGTH (BYTE)	START TIME	END TIME
SEGMENT 1	0		40M	99/10/30 10:42:03:27	99/10/30 10:48:06:15
SEGMENT 2	40M		15M	99/10/31 12:21:03:08	99/10/31 12:23:15:15
SEGMENT 3	70M		30M	99/10/30 18:44:26:04	99/10/30 18:48:32:02
SEGMENT 4	100M		25M	99/10/31 18:42:21:14	99/10/31 18:47:24:15
SEGMENT 5	125M		25M	99/10/30 12:21:06:18	99/10/30 12:24:07:15
UNASSIGNED SPACE	55M		15M		

FIG. 38C >Get Sports -F 1999/10/30 -sort

FIG. 39

